

Patent Claims

1. A hinge-lid box for a cigarette group wrapped in
5 an inner blank - cigarette block (13) - or other
(block-form) articles as pack contents, comprising a
box part (10) and lid (11) which are connected to one
another in a pivotable manner by a transversely
10 directed linear articulation (22) in the region of a
box rear wall (15), on the one hand, and of a lid rear
wall (19), on the other hand, the box part (10)
comprising a box front wall (14), box rear wall (15),
box side walls (16) and base wall (17), and the lid
15 (11) comprising a lid front wall (18), lid rear wall
(19), lid side walls (20) and end wall (21),
characterized in that formed above and/or beneath the
pack contents, in particular the cigarette block (13),
is a cavity or a free chamber (50, 51) which is bounded
20 in the outward direction at least by the end wall (21),
the lid front wall (18) and the lid rear wall (19) and
by the base wall (17) and box front wall (14) and box
rear wall (15), respectively.

2. The hinge-lid box as claimed in claim 1,
25 characterized in that the end wall (21) and/or the base
wall (17), at least in one sub-region, run/runs at a
spacing above and/or beneath the pack contents -
cigarette block (13) - preferably, at least in one sub-
region, run/runs in a plane with a non-uniform spacing
30 from the pack contents.

3. The hinge-lid box as claimed in claim 1 or 2,
characterized in that the end wall (21) and/or base
wall (17) comprise/comprises a plurality of differently
35 configured or shaped regions, in particular two side
sections (25), which are directed toward the lid side
walls (20) and/or the box side walls (16), and a
central section (26), the side sections (25), on the

one hand, and the central section (26), on the other hand, being of different shapes and/or being located in different planes.

5 4. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that the end wall (21) and/or base wall (17) are/is of wholly or predominantly arcuate design, to be precise running from one lid side wall (20) to the other and/or from
10 one box side wall (16) to the other.

5. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that lateral sub-regions of the end wall (21) and/or base wall (17), in
15 particular the side sections (25), are designed as a continuation of the lid side walls (20) and/or of the box side walls (16), preferably as extensions, namely end tabs (27, 28) of (inner) lid side tabs (30) and/or box side tabs (29).

20 6. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that the end wall (21) and/or the base wall (17) are/is of at least double-layered design in a central region, in
25 particular in a central section (26), in particular by virtue of a crosspiece (35) being arranged on the outside of the end wall (21) and/or base wall (17), in particular end regions of the end tabs (27, 28) being fastened on an inner side of the crosspiece (35).

30 7. The hinge-lid box as claimed in claim 4 or one of the further claims, characterized in that the end wall (21) and/or base wall (17) have/has rounded side sections (25) and a planar, transversely directed
35 central section (26), preferably the side sections (25) being of at least partially elliptical design or being parts of ellipses, the side sections (25) adjoining the side walls (16, 20) with a relatively pronounced curvature (relatively small radius) and merging into

the horizontal central region, namely central section (26).

8. The hinge-lid box as claimed in claim 1 or one of
5 the further claims, characterized in that the lid front wall (18) and lid rear wall (19), on the one hand, and box front wall (14) and box rear wall (15), on the other hand, are adapted to the contour of the end wall (21) and base wall (17) and are connected to one
10 another in the central region by the crosspiece (35).

9. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that the end wall (21) and/or base wall (17), in sub-regions outside the
15 crosspiece (35), are supported on a free edge of the lid front wall (18) and lid rear wall (19) and/or box front wall (14) and box rear wall (15), preferably by way of a broadening (42) provided on the end tabs (27, 28).

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10. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that a chamber (50) is formed merely in the region of the end wall (21), above the cigarette block (13), by a
25 corresponding design of the end wall (21), and in that a base wall (48) is designed in a planar manner in order for the cigarette block (13) to butt against the inside of the base wall (48).

30 11. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that the end wall (21) and/or base wall (17) comprise/comprises a plurality of in each case planar sections which run at an angle to one another, in particular the two
35 obliquely directed side sections (25) and the horizontally or transversely directed central section (26), the obliquely directed side sections (25) adjoining the side walls (20, 16), on the one hand, and

the central section (26), on the other hand, at an obtuse angle in each case.

12. The hinge-lid box as claimed in claim 11 or one of
5 the further claims, characterized in that the chamber (50), which is formed at least above the cigarette block (13), is of trapezoidal design in cross section.

13. The hinge-lid box as claimed in claim 1 or one of
10 the further claims, characterized in that the end wall (21) is directed obliquely, and of preferably planar design, overall, namely over the entire width, such that a chamber (50) of roof-like design is formed above the cigarette block (13).

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14. The hinge-lid box as claimed in claim 13,
characterized in that the end tabs (27, 28) are extended beyond the cigarette block (13) in the plane of the lid side wall (20) at least one side and can be
20 folded over into the (obliquely directed) plane of the end wall (21), at a distance above the cigarette block, to form a peripheral edge (54, 55) and butts against this end wall on the inside.

25 15. The hinge-lid box as claimed in claim 1 or one of the further claims, characterized in that the end wall (21) and/or the base wall (17) are spaced apart from the pack contents - cigarette block (13) - by a smaller distance in a preferably central sub-region than in
30 lateral regions, in particular such that the chamber (50) has lateral widenings or comprises two lateral sub-chambers.

16. The hinge-lid box as claimed in claim 15 or one of
35 the further claims, characterized in that the end tabs (27, 28) are extended beyond the cigarette block (13) in the plane of the lid side wall (20), are folded at an acute angle, and directed obliquely downward, in the region of the peripheral edge (54, 55), and have a

horizontally folded end leg (52) on the inside of the crosspiece (35).

17. The hinge-lid box as claimed in claim 1 or one of
5 the further claims, characterized in that sub-regions
of the end wall (21) and/or of the base wall (17), in
particular end tabs (27, 28) of the lid side walls (20)
and/or of the box side walls (16), butt against free
peripheral edges of the lid front wall (18) and lid
10 rear wall (19) and/or of the box front wall (14) and
box rear wall (15), preferably by way of a broadening
of the end wall (21) or base wall (17) and/or of the
end tabs (27, 28) which is formed in the abutment
region.